

CLIENT/SERVER ARCHITECTURE

110

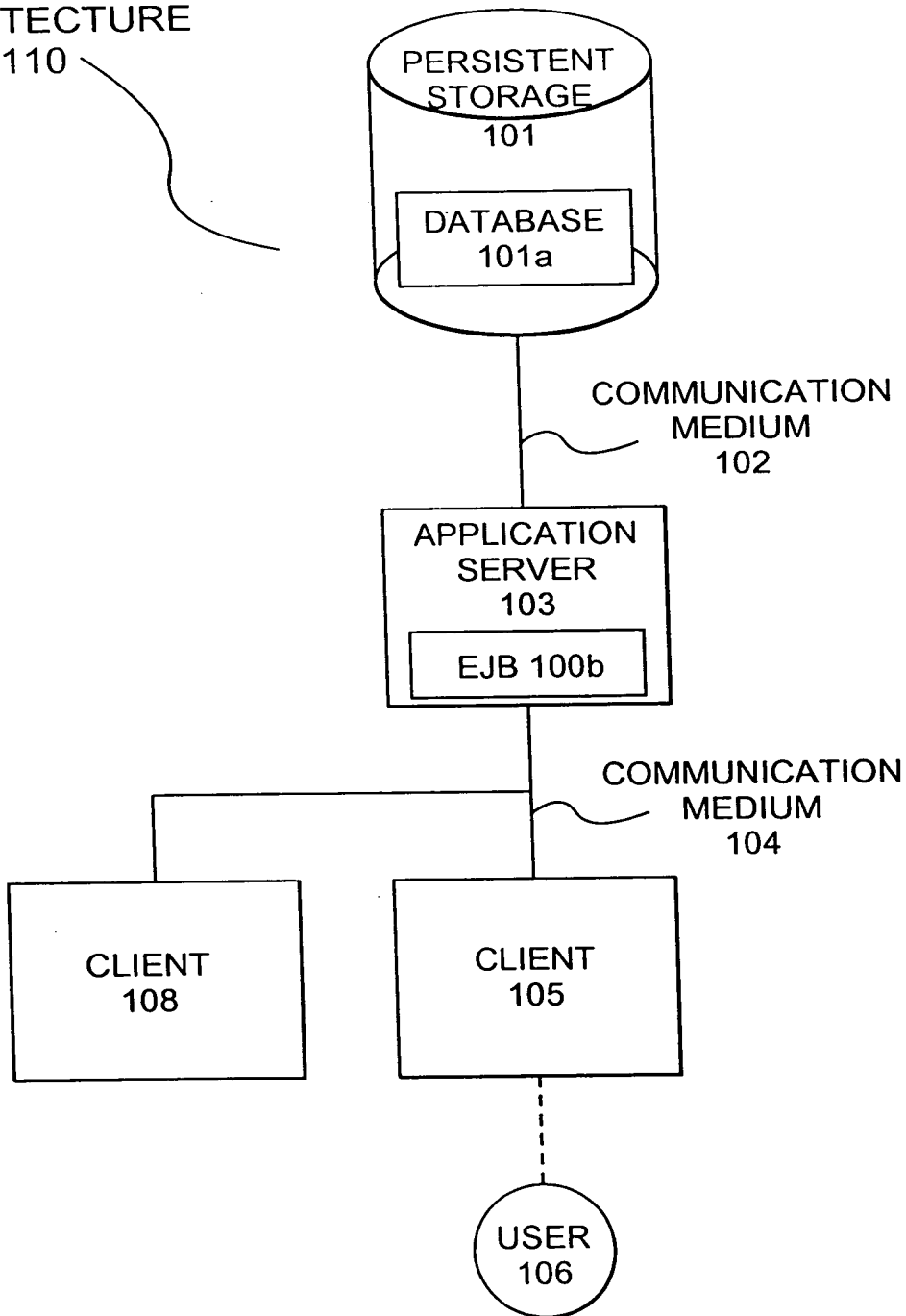


FIG. 1A

(PRIOR ART)

JAVA ENTERPRISE APIs 100

REMOTE METHOD INVOCATION
(RMI) 100a

(peer-to-peer architecture)

ENTERPRISE JAVA BEANS
(EJBs) 100b

(multi-tier architecture)

JAVA NAMING AND DIRECTORY
INTERFACE (JNDI) 100c

FIG. 1B
(PRIOR ART)

MULTI-TIER ARCHITECTURE

160

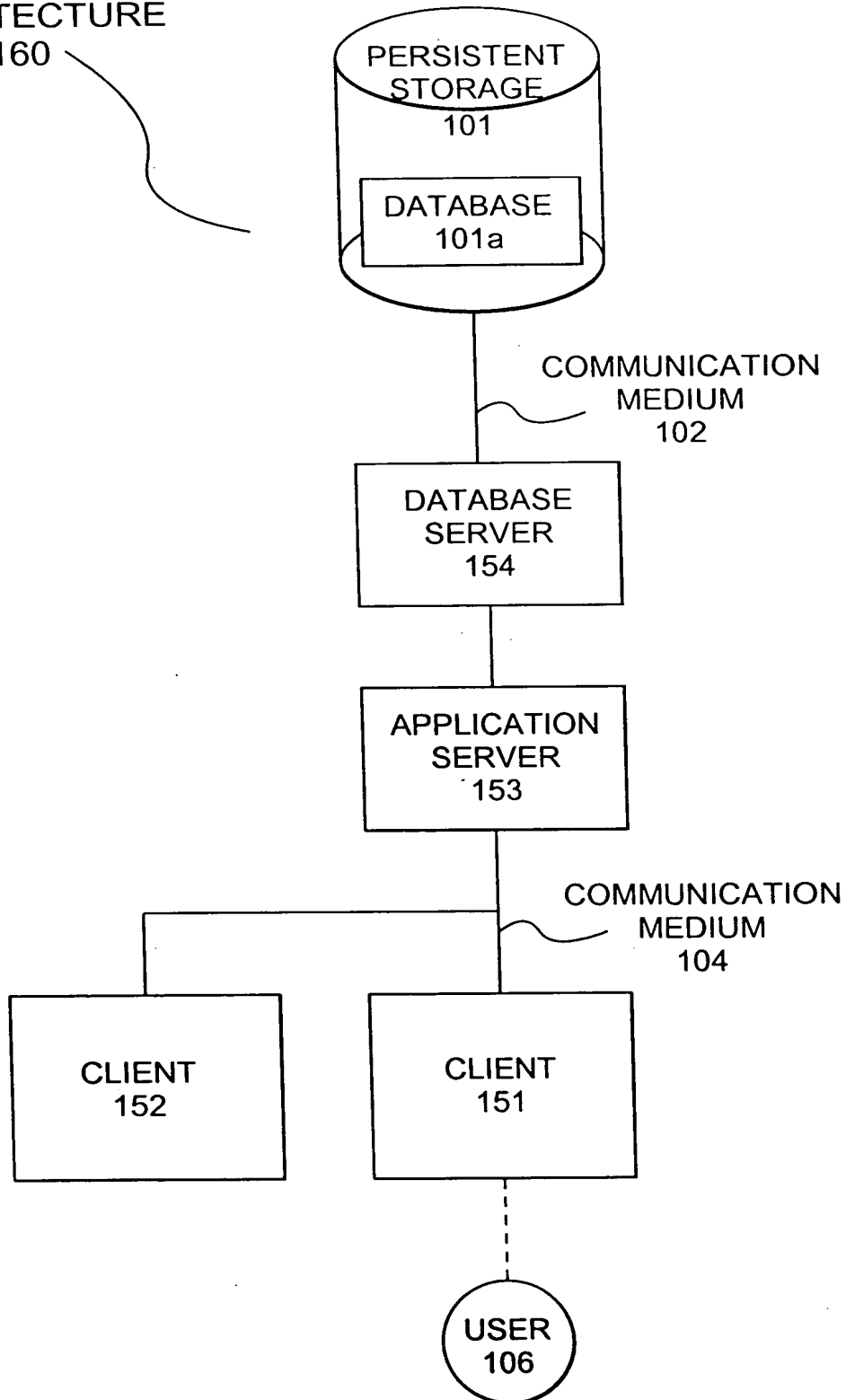


FIG. 1C
(PRIOR ART)

PEER-TO-PEER
ARCHITECTURE
214

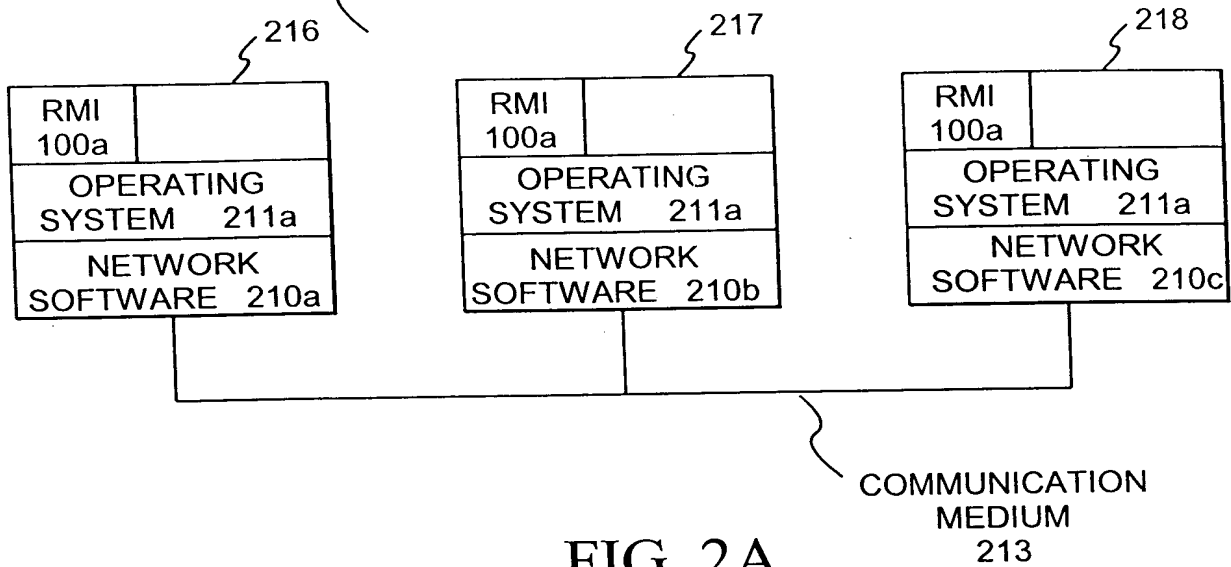


FIG. 2A
(PRIOR ART)

TRANSACTION PROCESSING
(TP) ARCHITECTURE
220

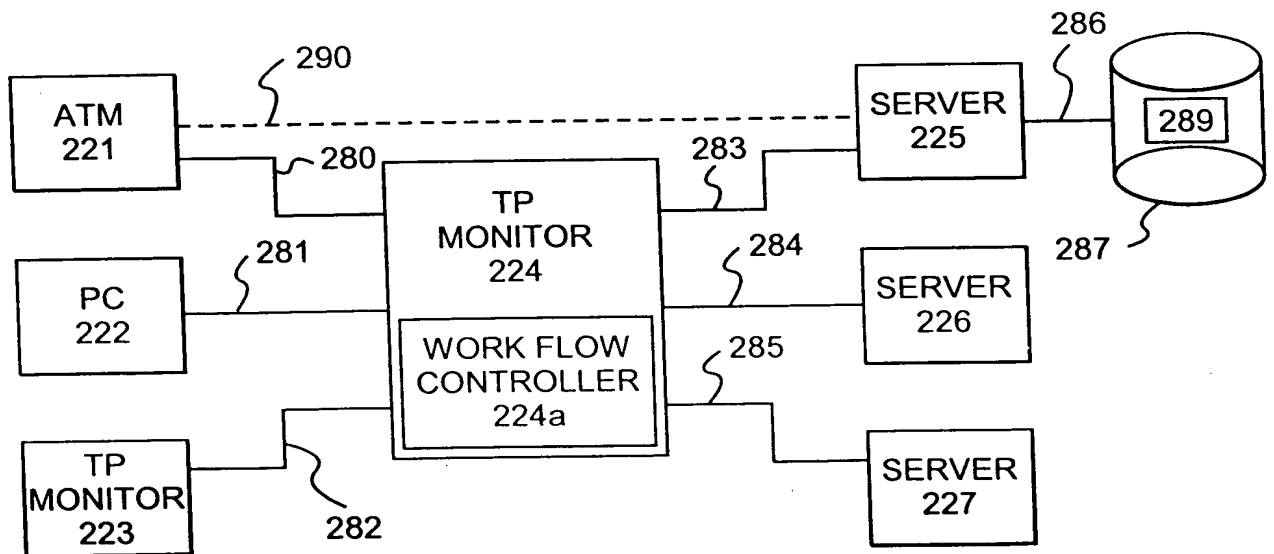


FIG. 2B
(PRIOR ART)

380

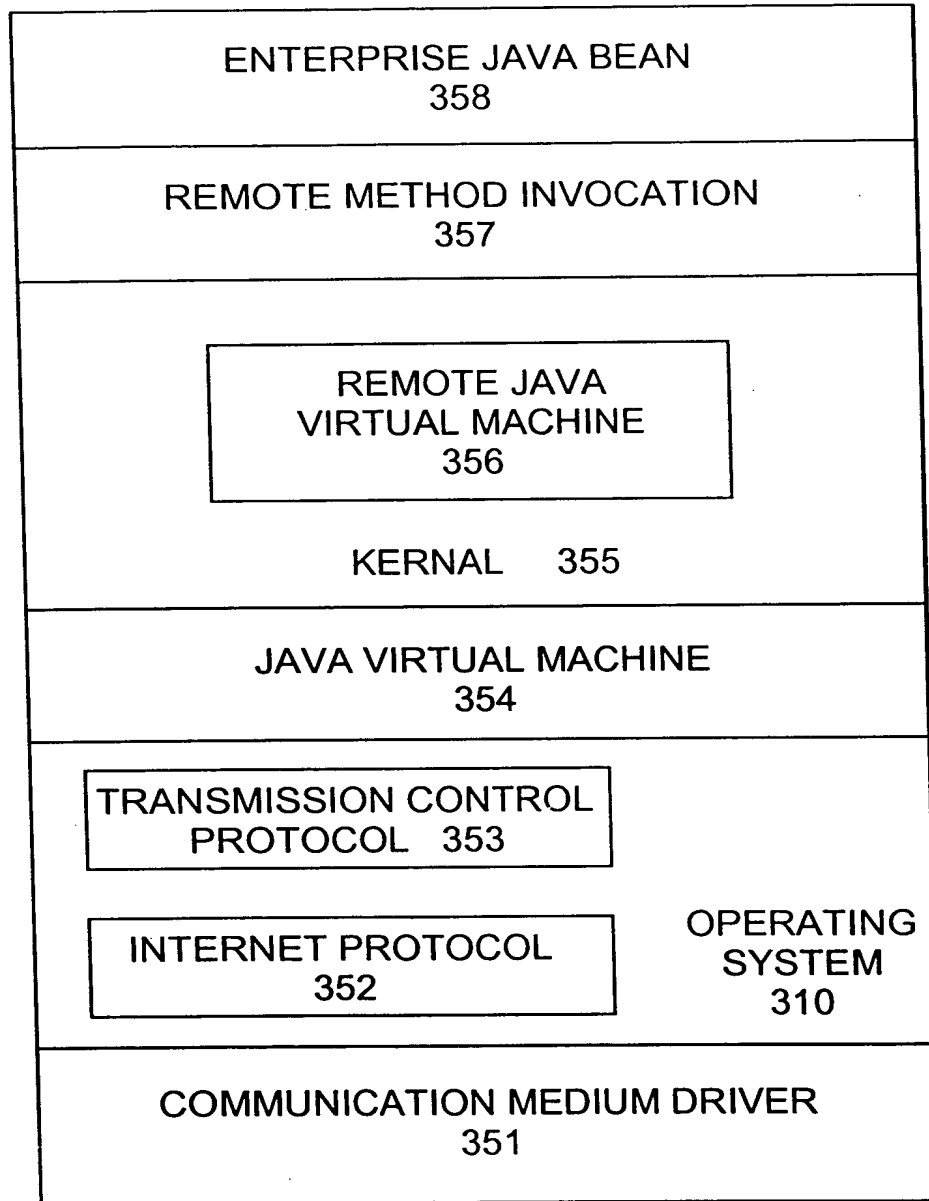


FIG. 3A

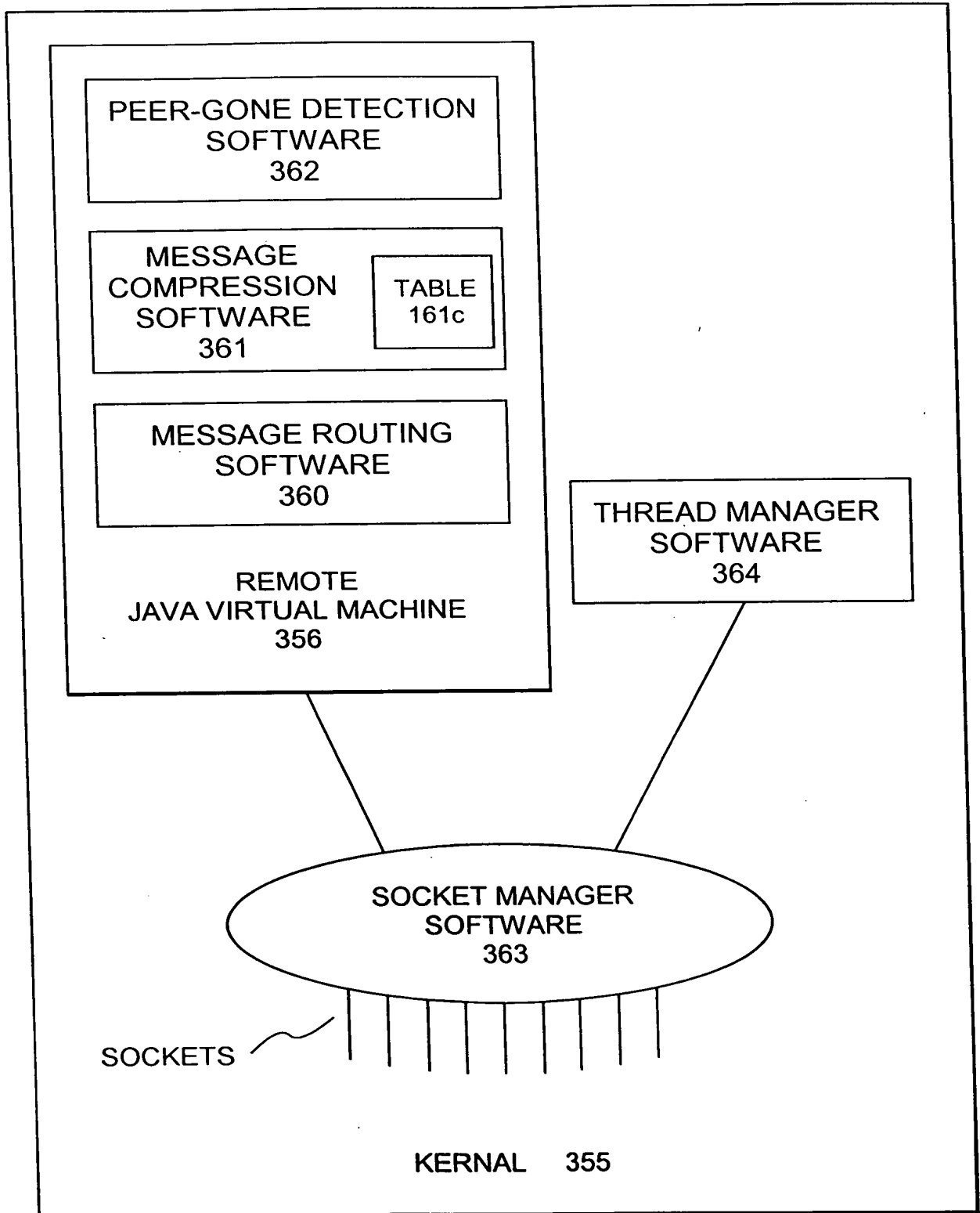


FIG. 3B

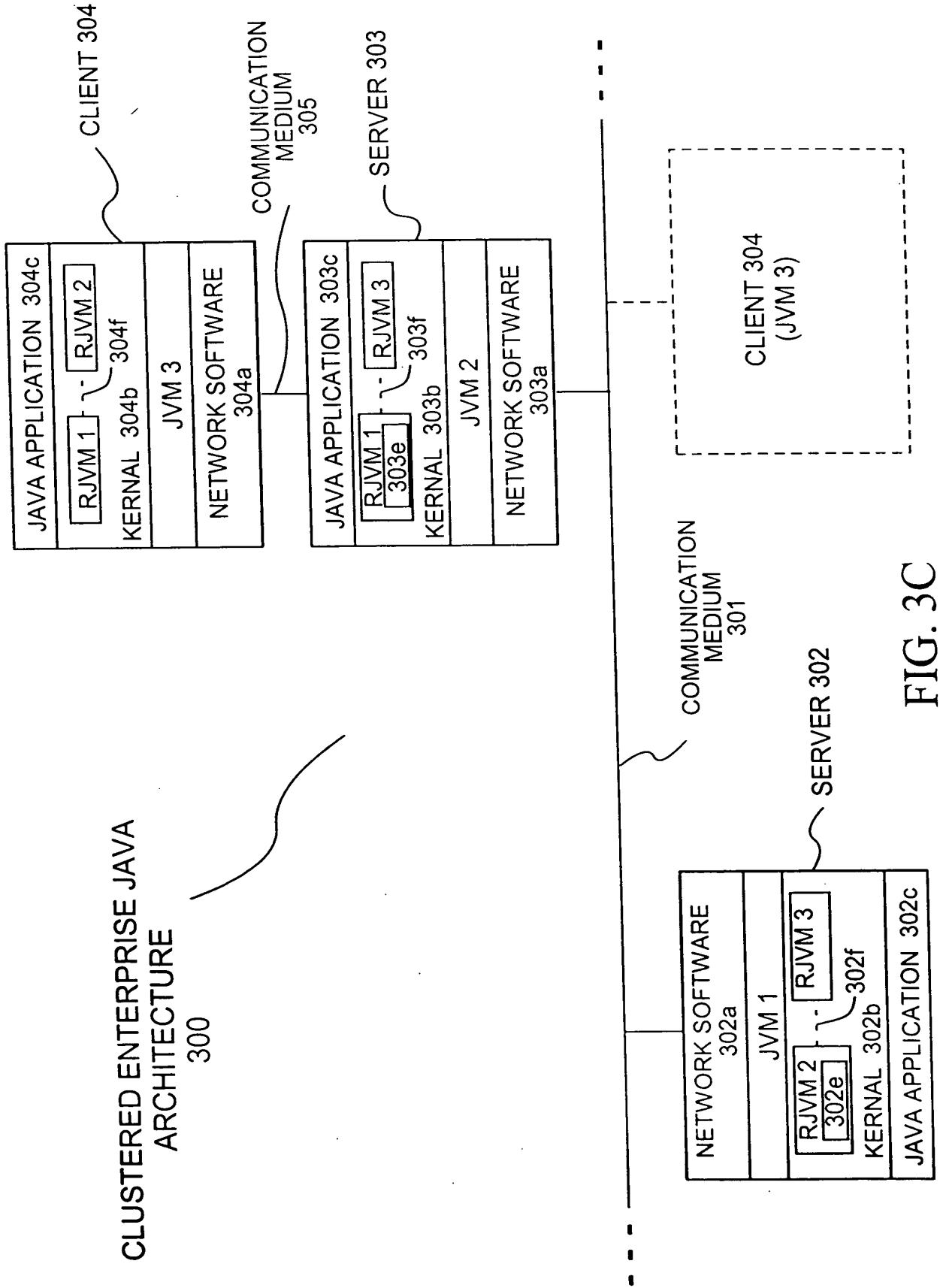


FIG. 3C



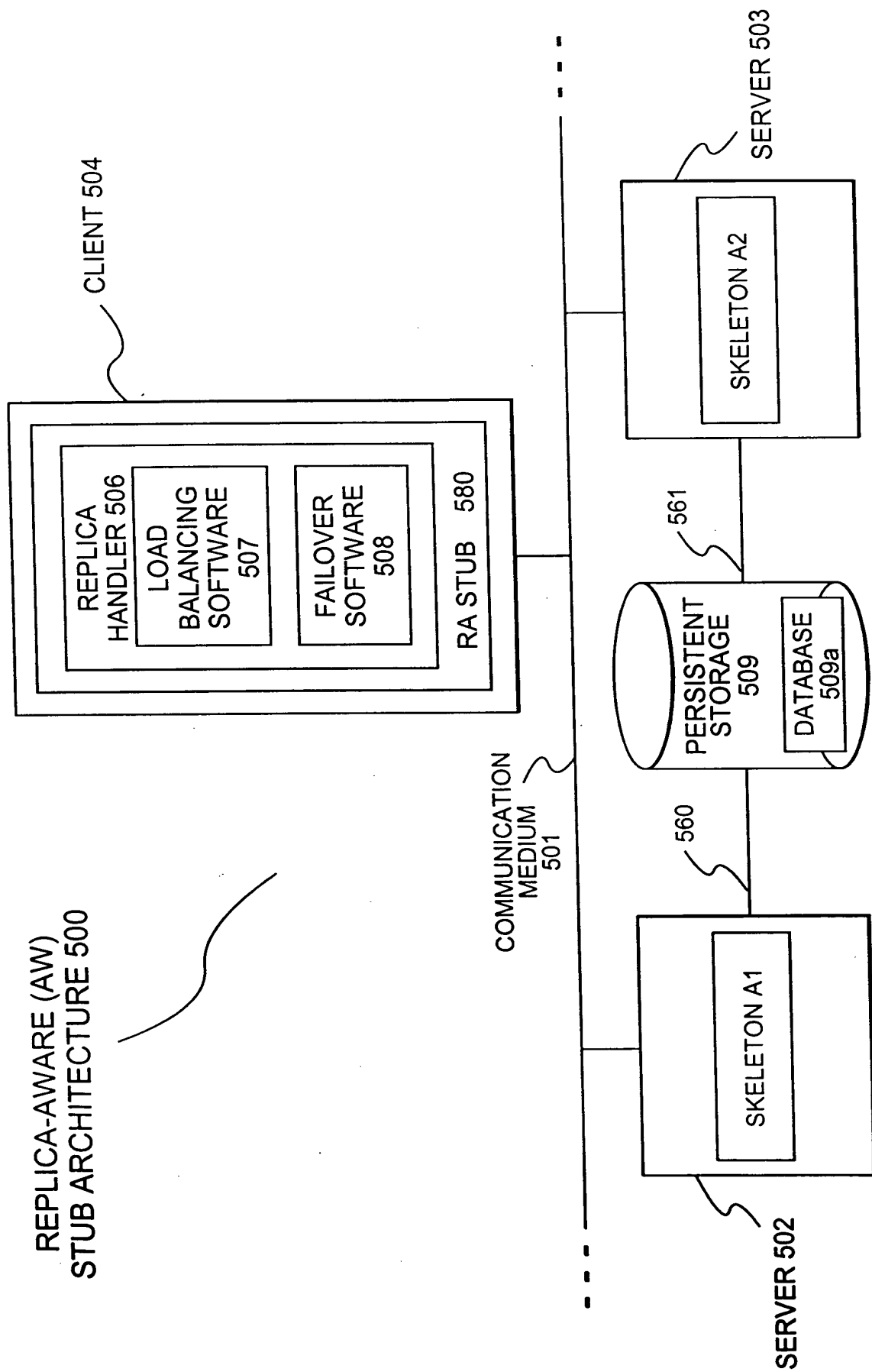


FIG. 5A

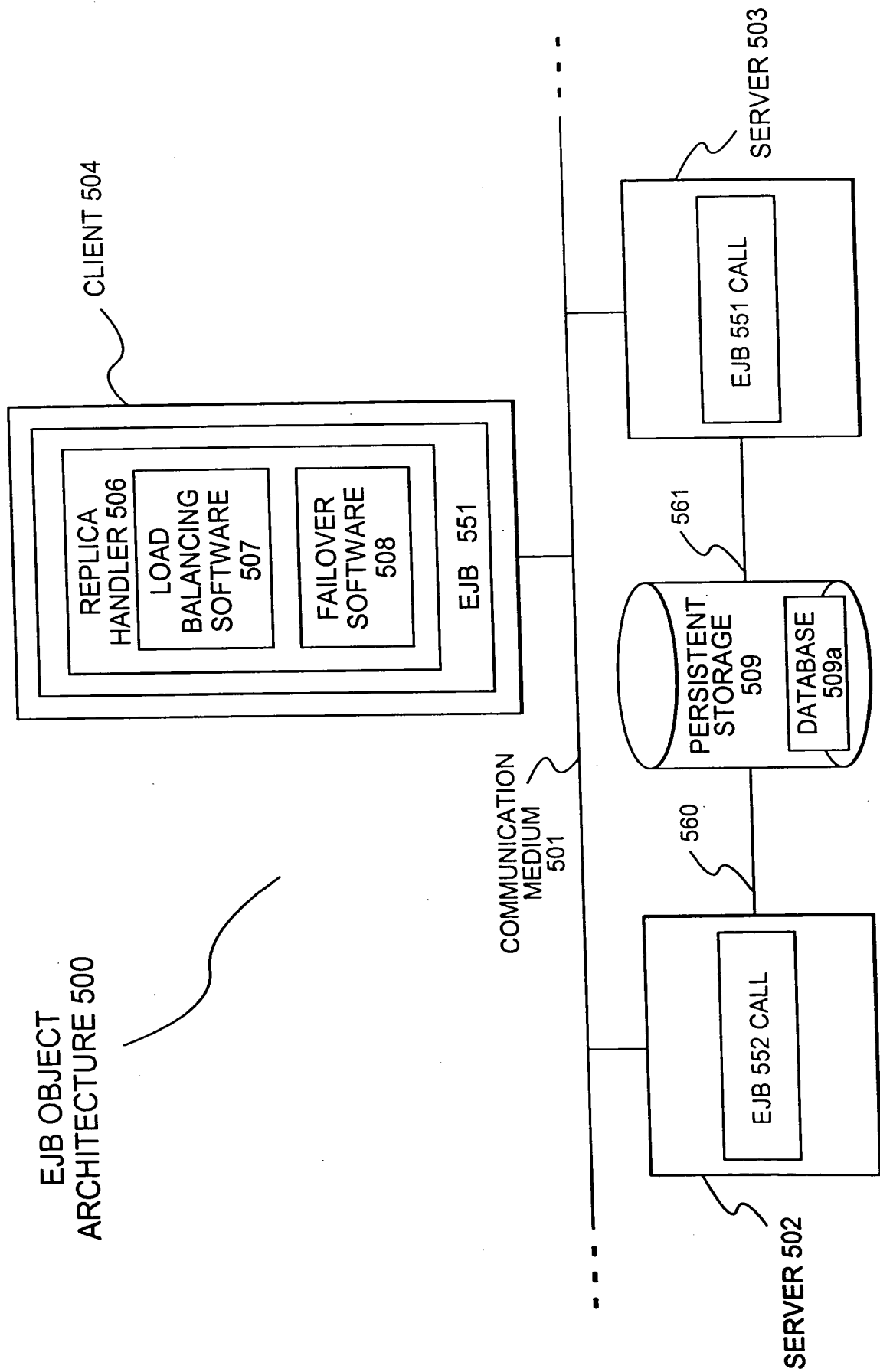


FIG. 5B

LOAD BALANCING METHOD 507

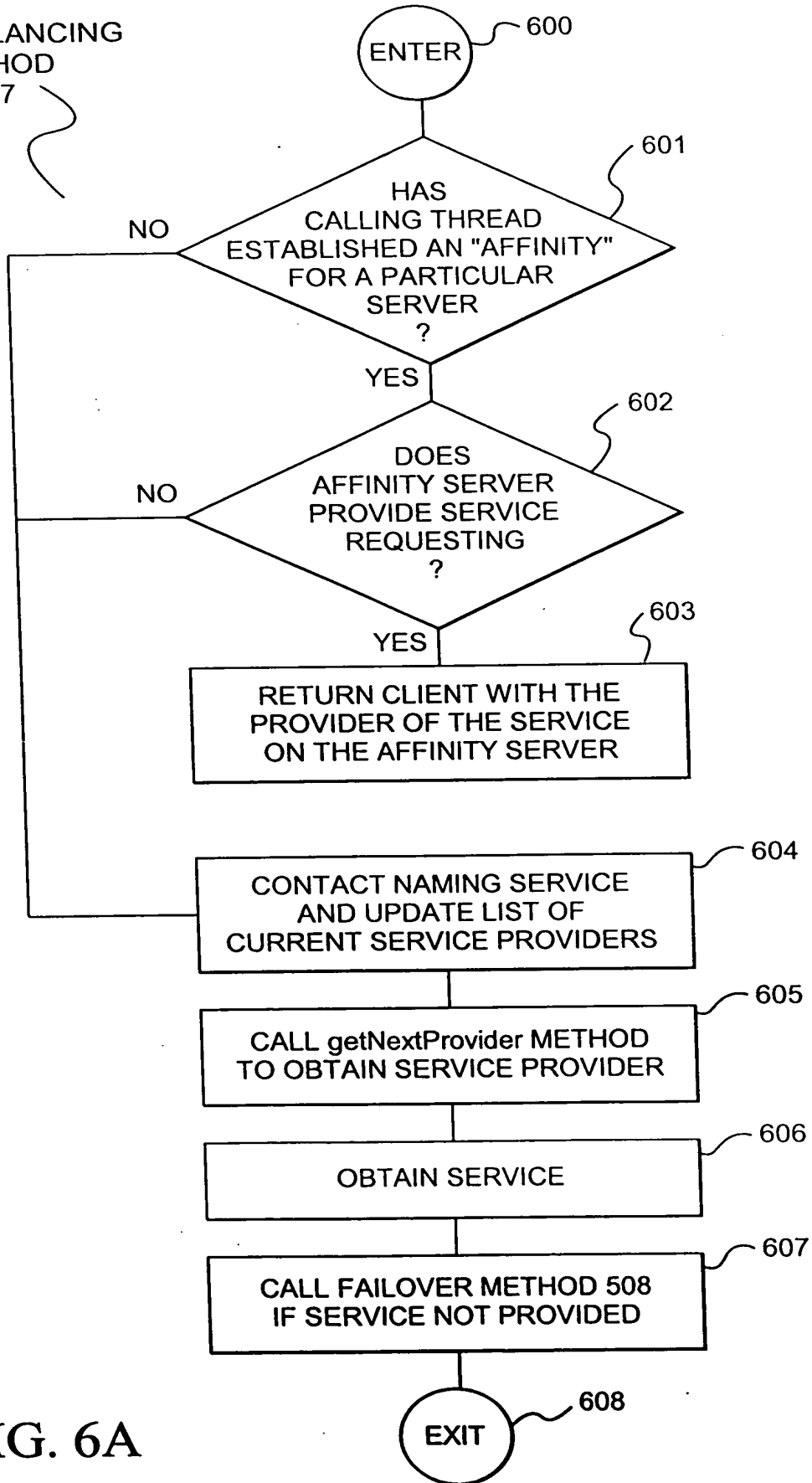
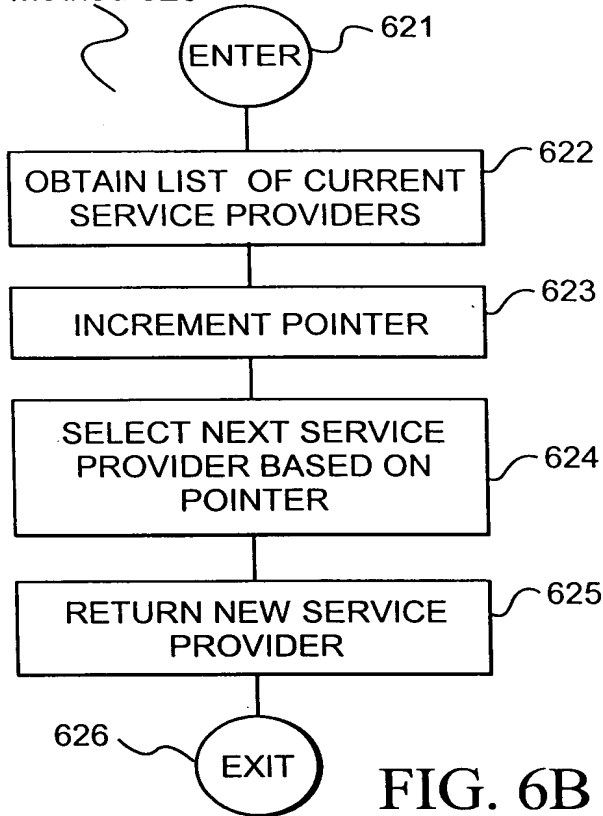
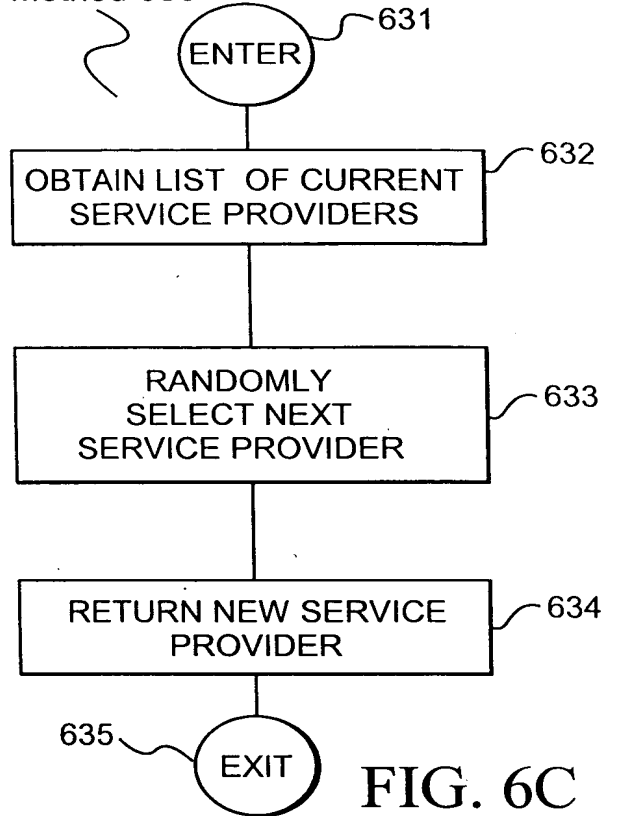


FIG. 6A

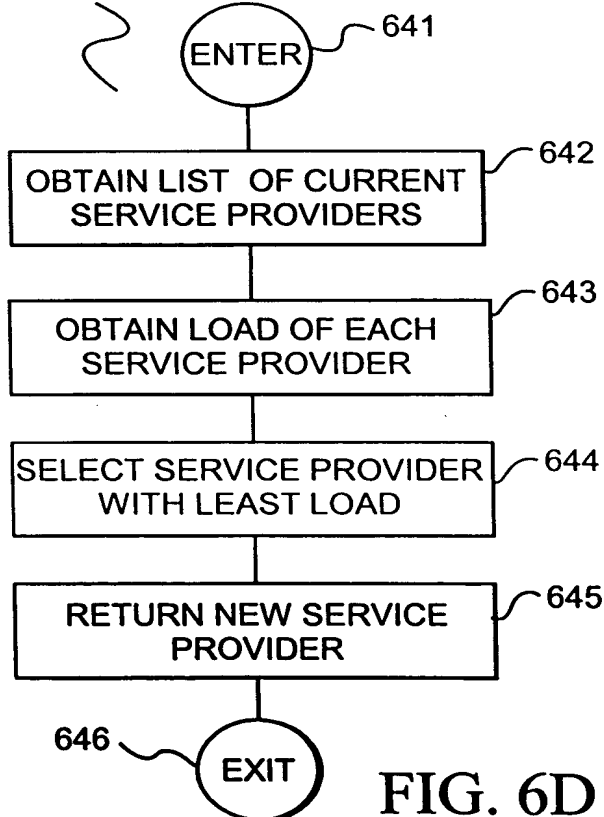
getNextProvider
Method 620



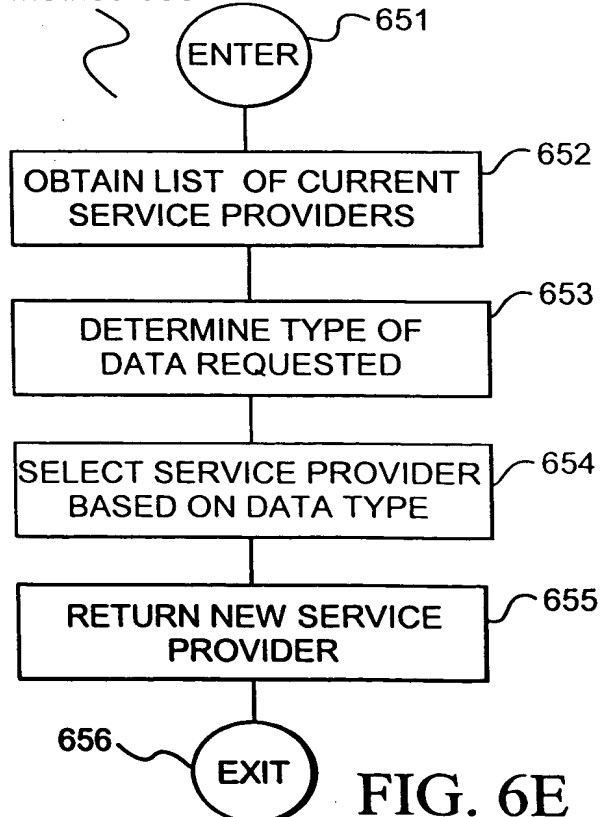
getNextProvider
Method 630



getNextProvider
Method 640



getNextProvider
Method 650



getNextProvider
Method 660

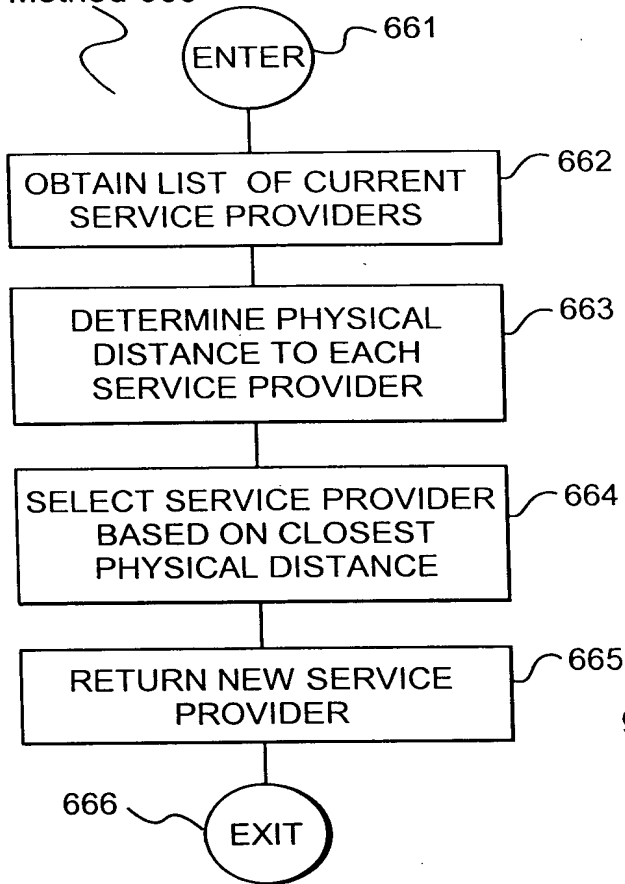


FIG. 6F

getNextProvider
Method 670

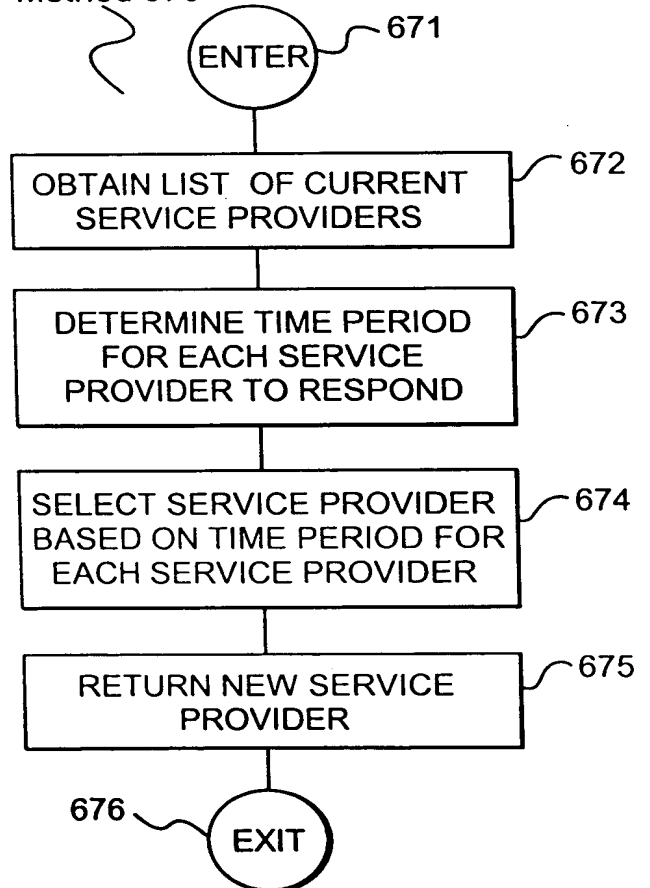


FIG. 6G

FAILOVER
METHOD 508

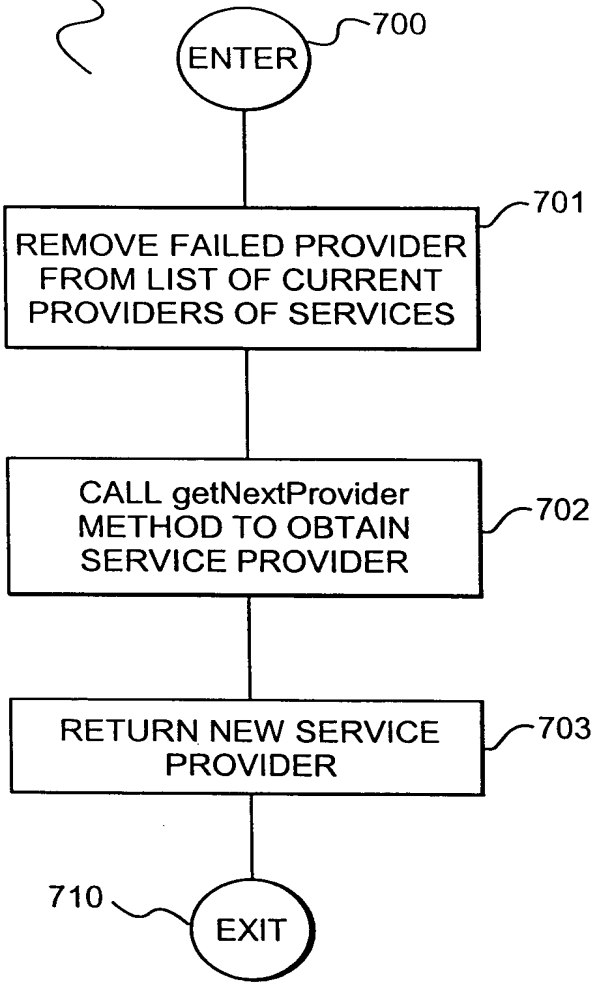


FIG. 7

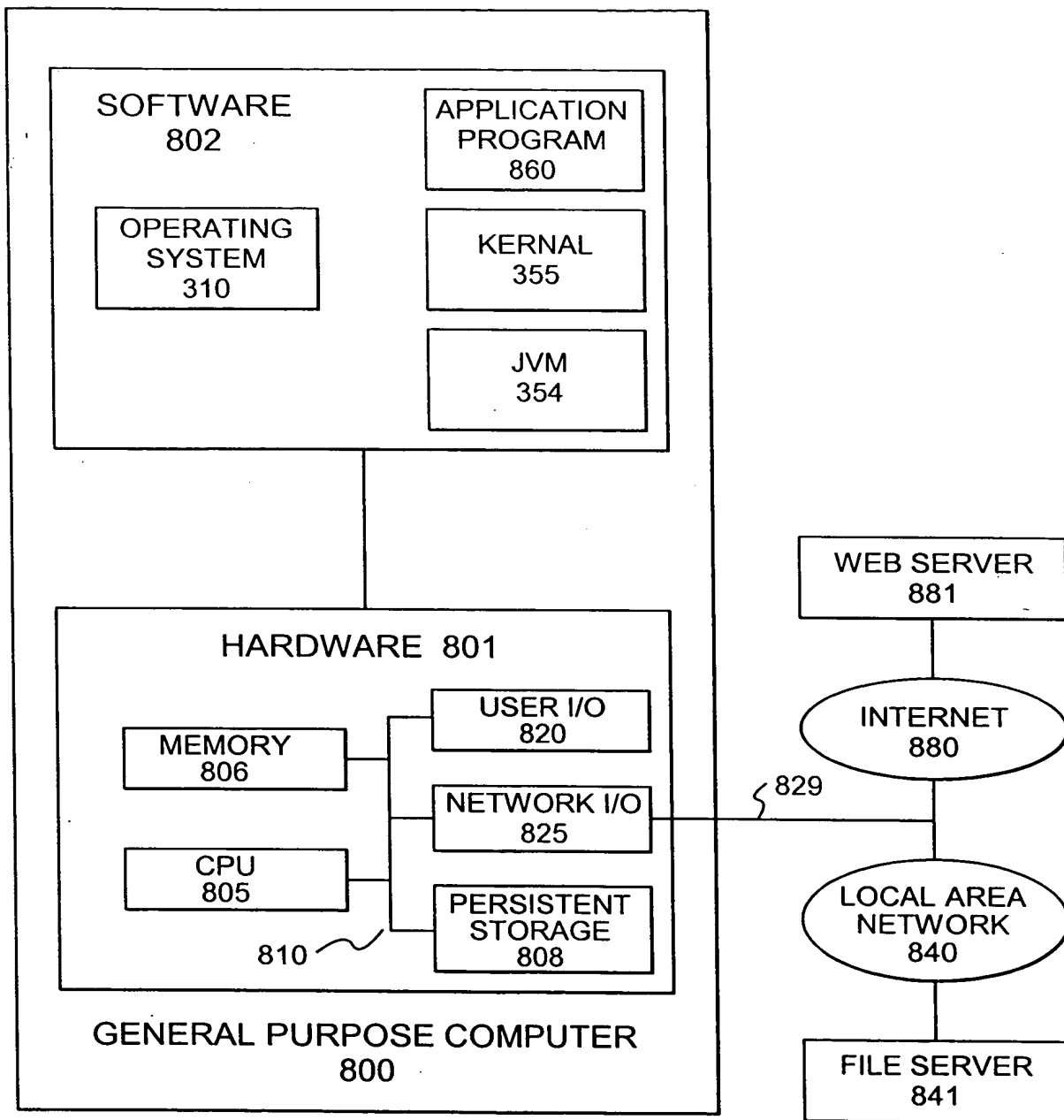


FIG. 8